MIL-STD-3014
Proposed Change 2

6 November 2006

Proposed Change 2 to MIL-STD-3014

- **Proposed Change 2 is intended to:**
  - **Correct remaining header field size errors in figures and tables, when compared to the governing text**
  - **Correct a few obsolete references in the text and figures**
- **Proposed Change 2 is now in Tri-Service review**

Ch 2 – Obsolete references to registries

- Inaccurate references to repositories in paragraphs 5.3.1 and 5.3.4 were corrected to read "…located at HTTP://MIL-STD-3014.NAVY.MIL".
  - Change:
    - 5.3.1 Module CLASS CODE field.
    - a. The module CLASS CODE shall be a two-byte hexadecimal field, whose registered values are defined in the Module Class/Type Registry, Appendix C. The class code is used in the header's element list, to identify the data element located in the data following the header. The 0th bit of the class code for a module shall be asserted.
  - To:
    - a. The module CLASS CODE shall be a two-byte hexadecimal field, whose registered values are located at HTTP://MIL-STD-3014.NAVY.MIL. The class code is used in the header's element list, to identify the data element located in the data following the header. The 0th bit of the class code for a module shall be asserted.
  - Change:
    - 5.3.4 USER field.
    - a. The USER field shall define the end user of the module. The USER field shall be a numeric code, four bytes long, and shall be assigned by the organization that manages the User Registry (see 6.1).
  - To:
    - a. The USER field shall define the end user of the module. The USER field shall be a numeric code, four bytes long, and shall be assigned by the organization that manages the User Registry located at HTTP://MIL-STD-3014.NAVY.MIL.

Ch 2 – Header Field Size Definitions

- **Several header field size definitions were changed from byte-oriented to bit-oriented definitions for clarity:**
  - **5.3.1 “2-byte” to “16-bit”**
  - **5.3.5 “4-byte” to “32-bit”**
  - **5.3.6 “2-byte class codes” to “16-bit class codes” (two places)**
  - **5.3.6 “2-byte positive GENERAL QUANTITY” to “16-bit positive integer”**

- **CREATOR SERNO (Optional header field) Field Size**
  - **Properly defined in the text of paragraph 5.4.1.4 as 32 bits**
  - **Table III and Fig. 11 erroneously showed the size of that field as 8 bytes**
    - **File size reference corrected to 4 (bytes) in both cases.**

Ch 2 – Descriptor Field Definition

- **Definition of the DESCRIPTOR field in the CLASS CODE registry**
  - **The DESCRIPTOR field is an informational field, intended to assist users in understanding a CLASS CODE's use. Its original definition in paragraph 5.3.1.b was:**
    - **"Every module data element shall have an associated 256-character, left-justified ASCII text element DESCRIPTOR field (for reference in the online registry only, and not for inclusion in files) that describes the overall data content and purpose of the element."**
  - **This definition was overly restrictive, since the field is informational only and not a part of any MiDEF file. Therefore, the definition was simplified to:**
    - **"Every module data element shall have an associated DESCRIPTOR field in the online registry that describes the overall data content and purpose of the element."**
- **Table II length.**
  - **Table II was defined for only sixteen of the thirty-two bits. The rows for bits 6 through 15, all marked as "(reserved)," were replaced with a single row for bits 6-31, also marked as "(reserved)." (See next slide)**

Ch 2 - Table II - From 16 Fields to 32

TABLE II. HEADER CONTENT field format.

Bit No.	Flag Name	Invokes	Para Ref.
0	MULTIPLE	Multiple count option in Element List	5.3.6
1	CREATE	Creator definition fields	5.4.1
2	CODE	Encoding/encryption definition fields	5.4.2
3	AUTH	Source verification/Digital Signature definition fields	5.4.3
4	SOURCE	“Built-from Module” definition fields	5.4.4
5	NOTE	Editor notes fields	5.4.5
6	(reserved)	(reserved)	(reserved)
7	(reserved)	(reserved)	(reserved)
8	(reserved)	(reserved)	(reserved)
9	(reserved)	(reserved)	(reserved)
10	(reserved)	(reserved)	(reserved)
11	(reserved)	(reserved)	(reserved)
12	(reserved)	(reserved)	(reserved)
13	(reserved)	(reserved)	(reserved)
14	(reserved)	(reserved)	(reserved)
15	(reserved)	(reserved)	(reserved)

From:

To:

6-31	(reserved)	(reserved)	(reserved)

Ch 2 – Correction of Optional Header Field Descriptions

5.4.1.1 CREATE TIMESTAMP field.

…

b. The CREATE TIMESTAMP field shall be formatted in the TIME DATE GROUP TIME STAMP concatenated data element format.

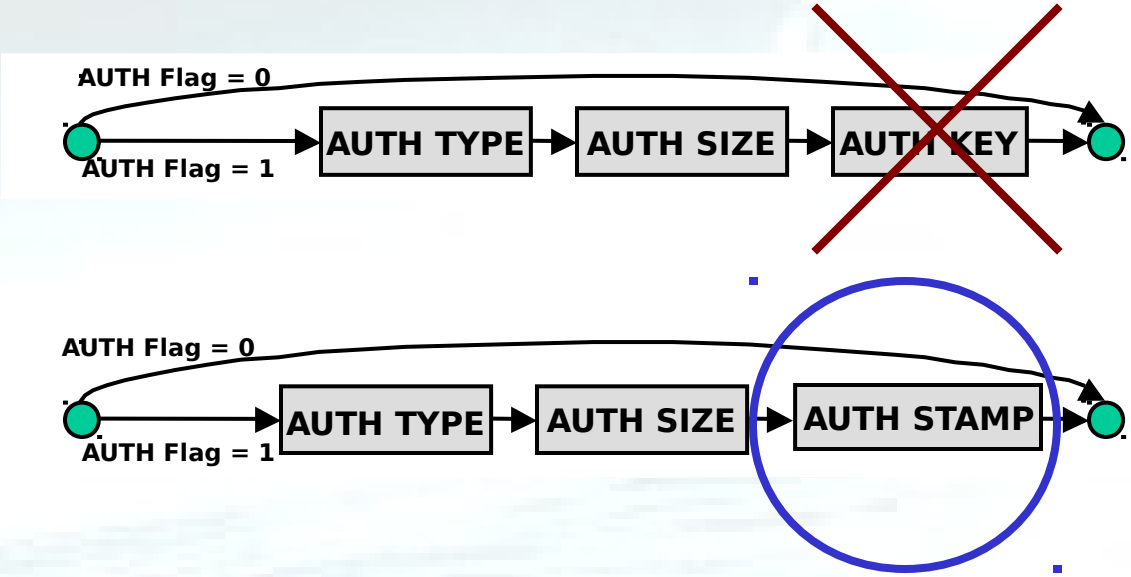
5.4.3.1 AUTHORIZER TYPE field.

…

b. The AUTHORIZER TYPE field shall be formatted as a 4-character ASCII field, with permissible registered encoding schema values shown in the Code AUTHORIZER TYPE registry.

These two references were obsolete and are corrected as shown

Ch 2 – Correction of Optional Header Field Descriptions



- **In keeping with the text, Figure 14 was corrected to define the field, from "AUTH KEY" to "AUTH STAMP.**